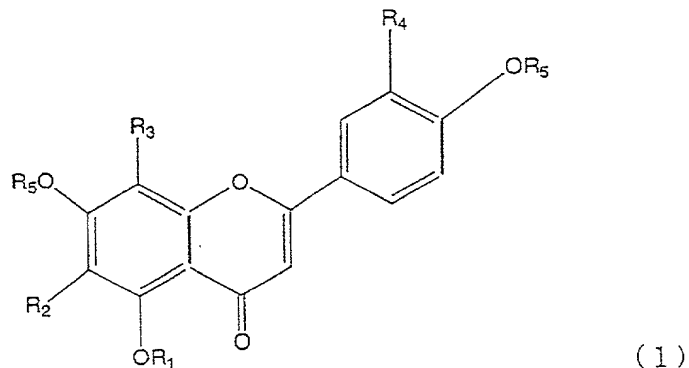


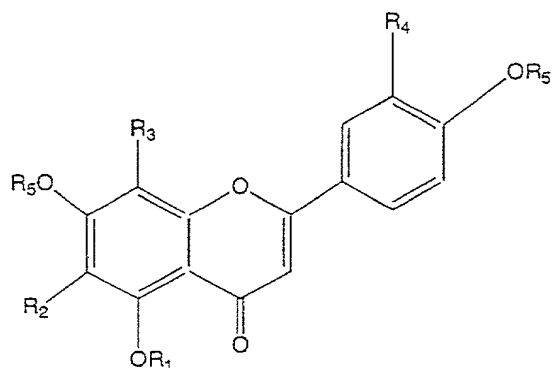
What is claimed is:

1. A method for extending neurites comprising administering a composition to a subject, the composition comprising a polyalkoxyflavonoid represented by Formula 1, and a pharmaceutically acceptable carrier or a food material:



wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

2. The method of claim 1, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.
3. A method for extending neurites comprising administering a composition to a subject, the composition comprising an extract from a plant belonging to the citrus family, and a pharmaceutically acceptable carrier or a food material.
4. The method of claim 3, wherein the extract from a plant belonging to the citrus family comprises a polyalkoxyflavonoid represented by Formula 1:

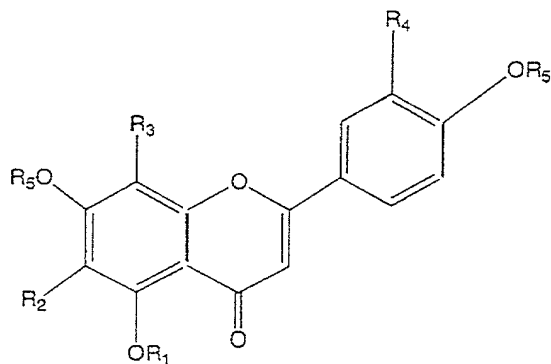


(1)

wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

5. The method of claim 4, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.

6. A method for preventing and/or treating neurodegeneration diseases comprising administering a composition to a subject, the composition comprising a polyalkoxyflavonoid represented by Formula 1, and a pharmaceutically acceptable carrier or a food material:



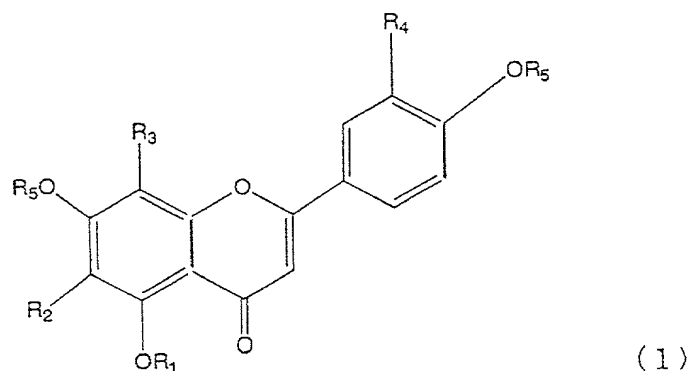
(1)

wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

7. The method of claim 6, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.

8. A method for preventing and/or treating neurodegeneration diseases comprising administering a composition to a subject, the composition comprising an extract from a plant belonging to the citrus family, and a pharmaceutically acceptable carrier or a food material.

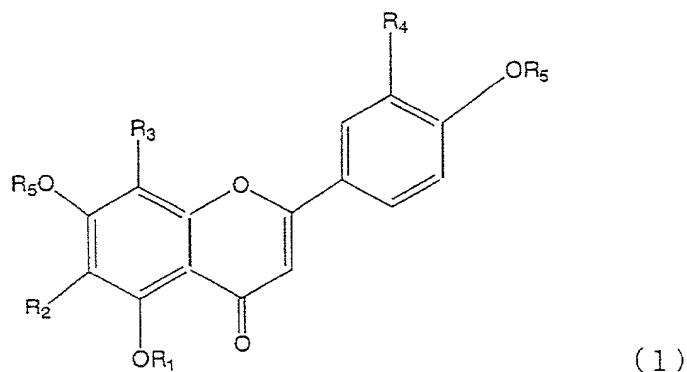
9. The method of claim 8, wherein the extract from a plant belonging to the citrus family comprises a polyalkoxyflavonoid represented by Formula 1:



wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

10. The method of claim 9, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.

11. A method for extending neurites comprising bringing a composition in contact with neurocytes, the composition comprising a polyalkoxyflavonoid represented by Formula 1, and a physiologically acceptable carrier:

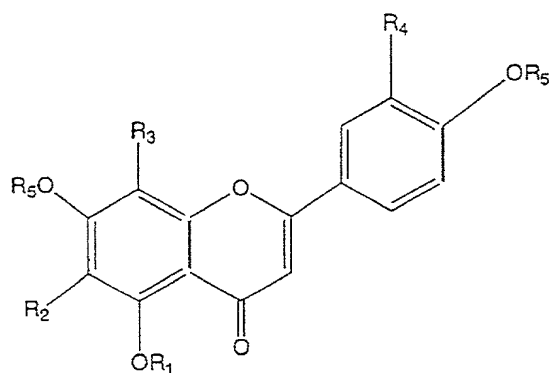


wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

12. The method of claim 11, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.

13. A method for extending neurites comprising bringing a composition in contact with neurocytes, the composition comprising an extract from a plant belonging to the citrus family, and a physiologically acceptable carrier.

14. The method of claim 13, wherein the extract from a plant belonging to the citrus family comprises polyalkoxyflavonoid represented by Formula 1:



(1)

wherein  $R_1$  is H or a lower alkyl group of  $C_1$  to  $C_6$ ;  $R_2$ ,  $R_3$  and  $R_4$  are each independently H or an alkoxy group of  $C_1$  to  $C_6$ ; and  $R_5$  is a lower alkyl group of  $C_1$  to  $C_6$ .

15. The method of claim 14, wherein the polyalkoxyflavonoid is nobiletin or tangeretin.